

CONTROL DEVICE FOR OVERHEAD CONVEYORS

ABSTRACT OF THE DISCLOSURE

A control device for overhead conveyors equipped with at least two actuators (6, 7), specifically crane and crane trolley drive units, with transmission of control signals and transmission of safety signals from control unit (10) to actuators (6, 7) via a signal connection, with a control unit (10) exhibiting a safety switch unit emitting at least one safety signal, which can be triggered manually in order to shut down at least one actuator (6, 7). In order to specify a simple control device ensuring a conveyor's increased operational safety, it is suggested that a signal connection feature serial bi-directional data bus (11) used for signal transmission between control unit (10) and actuators (6, 7), which are therefore equipped with the pertinent controls (12, 13), each operating jointly with a corresponding safety control (14, 15), monitoring independently from each other all of the safety signals transmitted via data bus (11) and emitting at least one shut-down command to at least one of controls (12, 13), when at least one predetermined incident has occurred.